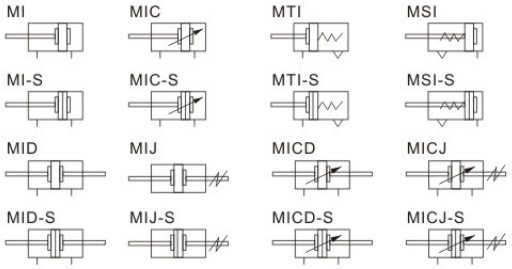
迷你气缸

标准规格

内径(mm)		8	10	12	16	20	25	32	40
动作型式		复动型、单动押出型、单动引入型							
		–				复动缓冲型			
工作介质		空气(经40μm以上滤网过滤)							
使用压力范围	复动型	0.15~1.0MPa(22~145Psi)(1.5~10.0bar)							
	单动型	0.2~1.0MPa(28~145Psi)(2.0~10.0bar)							
保证耐压力		1.5MPa(215Psi)(15bar)							
使用温度范围 ℃		–20~70							
使用速度范围 mm/s		复动型：30~800　单动型：50~800							
行程公差范围		$0\sim150^{+1.0}_{0}$　$>150^{+1.5}_{0}$							
缓冲型式		MIC系列：可调式缓冲；　其它系列：防撞垫							
接管口径		M5×0.8					PT1/8		PT1/4

符号



产品特性

1、符合ISO6432标准(Φ8~Φ25)；
2、前后盖带固定式防撞垫，可减少气缸的换向冲击；
3、多种后盖形式，使气缸安装更方便；
4、前后盖与不锈钢体采用铆合滚包结构，连接可靠；
5、不锈钢材质的活塞杆及缸体，使气缸能适应一般腐蚀性工作环境；
6、多种规格的气缸及气缸安装附件可供客户选择使用。

行程

内径(mm)			标准行程(mm)	最大行程	容许行程
MI	–	8	10 15 20 25 30 40 50 60 75 80 100 125 150	150	200
		10	10 15 20 25 30 40 50 60 75 80 100 125 150 160 175 200	200	500
		12	10 15 20 25 30 40 50 60 75 80 100 125 150 160 175 200 250	250	
	MIC	16	10 15 20 25 30 40 50 60 75 80 100 125 150 160 175 200 250 300 350 400 450 500	500	600
		20			
		25			800
		32			
		40			
MID MIJ	–	8	10 15 20 25 30 40 50 60 75 80 100	100	–
		10	10 15 20 25 30 40 50 60 75 80 100 125 150 160 175 200		
		12		200	
	MICD MICJ	16	10 15 20 25 30 40 50 60 75 80 100 125 150 160 175 200 250 300	300	
		20			
		25			
		32	10 15 20 25 30 40 50 60 75 80 100 125 150 160 175 200 250 300 350 400 450 500	500	
		40			
MSI MTI		8	10 15 20 25 30 40 50	–	–
		10			
		12			
		16	10 15 20 25 30 40 50 60 75 80 100		
		20	10 15 20 25 30 40 50 60 75 80 100 125 150		
		25			
		32			
		40			

注：其它特殊行程请与本公司联系。

成品订购码

MI – 10 × 40 – S – CA – □ – □

- MI – 型号
  - MI:迷你气缸(复动型)
  - MIC:迷你气缸(复动可调缓冲型)
  - MSI:迷你气缸(单动押出型)
  - MTI:迷你气缸(单动引入型)
- 10 – 缸径
- 40 – 行程
- S – 磁石代号
  - S：附磁石
  - 空白：不附磁
- CA – 后盖型式

后盖型式	适用缸径
CA：摆尾型	8, 10, 12, 16, 20, 25
U:径向进气型	8, 10, 12, 16, 20, 25, 32, 40
R:轴向进气型	16, 20, 25, 32, 40
CM：圆尾型	16, 20, 25, 32, 40

- □ – 固定型式
  - 空白:无安装附件
  - FA:前法兰连接板
  - SDB:后铰固定架
  - LB:轴向固定架
  - TC:中间耳轴支架
- □ – 牙型代码
  - 空白：PT牙
  - T：NPT牙
  - G：G牙

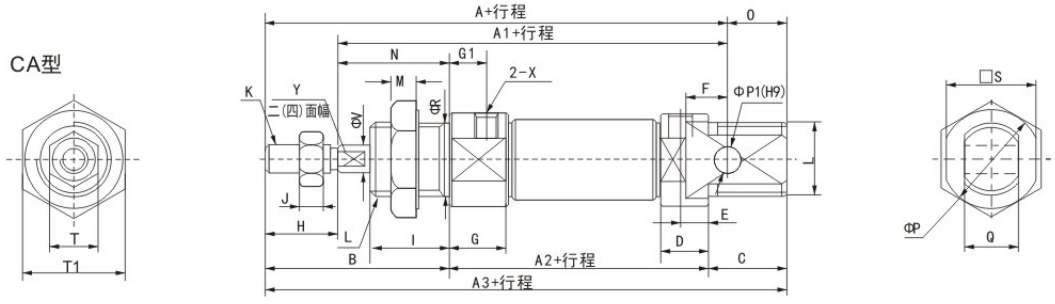
MID – 10 × 40 – 30 – S – □ – □
MIJ – 10 × 40

- MID / MIJ – 型号
  - MID:迷你气缸(双轴复动型)
  - MIJ:迷你气缸(双轴复动行程可调型)
  - MICD:迷你气缸(双轴复动缓冲型)
  - MICJ:迷你气缸(双轴复动行程可调缓冲型)
- 10 – 缸径
- 40 – 行程
- 30 – 调整行程
  - 10:10mm
  - 20:20mm
  - 30:30mm
  - 40:40mm
  - 50:50mm
  - 75:75mm
  - 100:100mm
- S – 磁石代号
  - S：附磁石
  - 空白：不附磁
- □ – 固定型式
  - 空白:无安装附件
  - FA:前法兰连接板
  - LB:轴向固定架
  - TC:中间耳轴支架
- □ – 牙型代码
  - 空白：PT牙
  - T：NPT牙
  - G：G牙

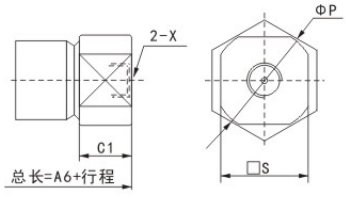
■ 外形尺寸图(毫米)

MI

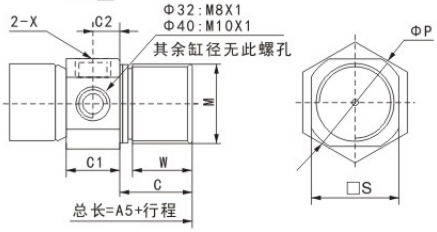
CA型



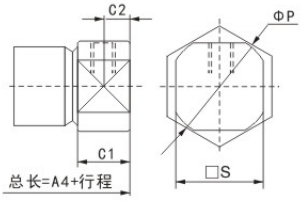
R型



CM型



U型



注：附磁型与不附磁型之尺寸相同。

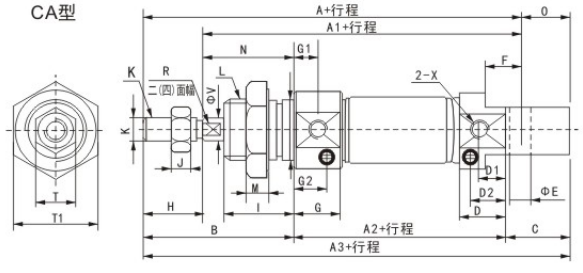
缸径/符号	A	A1	A2	A3	A4	A5	A6	B	C	C1	C2	D	E	F	G	G1	H	I
8	76	64	46	86	74	-	-	28	12	9.5	5	9.5	5	6	11.5	7	12	12
10	76	64	46	86	74	-	-	28	12	9.5	5	9.5	5	6	11.5	7	12	12
12	91	75	50	105	88	-	-	38	17	10.5	6	10.5	6	9	12.5	8	16	17
16	98	82	56	111	94	111	94	38	17	10.5	6	10.5	6	9	12.5	8	16	17
20	115	95	62	126	106	126	106	44	20	14.5	7.5	14.5	7.5	12	14.5	7.5	20	20
25	126	104	65	137	114.5	137	115	50	22	16	8	16	8	12	16	8	22	22
32	-	-	-	-	125	140	126	58	14	16.5	9	-	-	-	16.5	9	20	30
40	-	-	-	-	158	174	158	69	16	22	12	-	-	-	22	12	24	35

缸径/符号	J	K	L	M	N	O	P	P1	Q	R	S	T	T1	X	V	W	Y
8	2.2	M4×0.7	M12×1.25	6	16	10	17	4	8	12	15	7	17	M5×0.8	4	-	-
10	2.2	M4×0.7	M12×1.25	6	16	10	17	4	8	12	15	7	17	M5×0.8	4	-	-
12	5	M6×1.0	M16×1.5	6	22	14	20	6	12	16	18	10	22	M5×0.8	6	-	5
16	5	M6×1.0	M16×1.5	6	22	13	22	6	12	16	20	10	22	M5×0.8	6	13.5	5
20	6	M8×1.25	M22×1.5	7	24	11	29	8	16	22	25	12	29	PT1/8	8	16.5	6
25	6	M10×1.25	M22×1.5	7	28	11	33.5	8	16	22	30	17	29	PT1/8	10	18.5	8
32	6	M10×1.25	M30×1.5	7	38	-	37.5	-	-	30	34.5	17	36	PT1/8	12	10.5	10
40	7	M12×1.25	M38×1.5	8	45	-	46.5	-	-	38	42.5	17	46	PT1/4	16	12.5	14

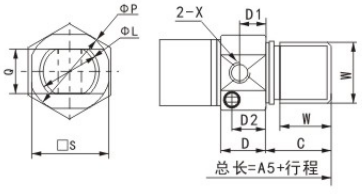
MIC

Φ16~Φ25

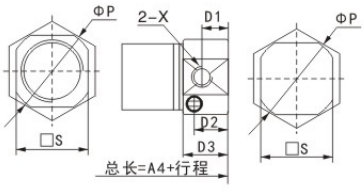
CA型



CM型



U型



缸径/符号	A	A1	A2	A3	A4	A5	B	C	D	D1	D2	D3	E	F	G	G1	G2
16	98	82	56	111	94	111	38	17	12.1	7	9	12.1	6	9	12.5	7.5	9.5
20	115	95	62	126	106	126	44	20	14.5	7.5	10.5	14.5	8	12	14.5	7.5	10.5
25	126	104	65	137	113.5	137	50	22	16	8	10.5	14.5	8	12	16	8	12

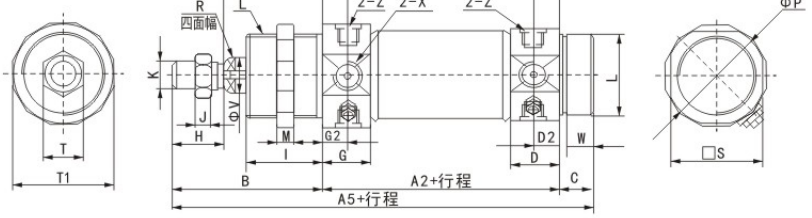
缸径/符号	H	I	J	K	L	M	N	O	P	Q	R	S	T	T1	V	W	X
16	16	17	5	M6×1.0	M16×1.5	6	22	13	22	12	5	20	10	22	6	13.5	M5×0.8
20	20	20	6	M8×1.25	M22×1.5	7	24	11	29	16	6	25	12	29	8	16.5	PT1/8
25	22	22	6	M10×1.25	M22×1.5	7	28	11	33.5	16	8	30	17	29	10	18.5	PT1/8

C

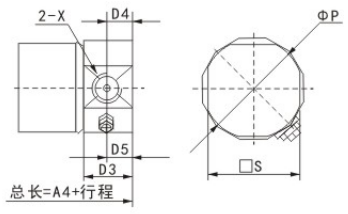
MIC

Φ32、Φ40

CA型



U型



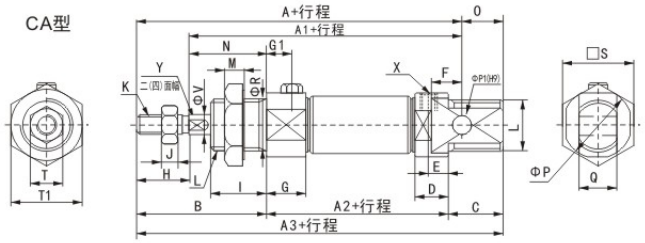
注：附磁型与不附磁型之尺寸相同。

缸径/符号	A2	A4	A5	B	C	D	D1	D2	D3	D4	D5	G	G1	G2	H	I	J	K
32	68	124	140	58	14	16.5	9	11.5	14.5	7.5	11	16.5	9	11.8	20	30	6	M10×1.25
40	89	157.5	174	69	16	22	12	12	21.5	11.5	14	22	12	12	24	35	7	M12×1.25

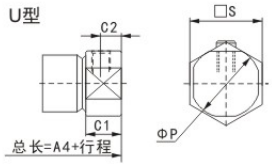
缸径/符号	L	M	N	P	S	T	T1	V	W	X
32	M30×1.5	7	38	37.5	34.5	17	36	12	10.5	PT1/8
40	M38×1.5	8	45	46.5	42.5	17	46	16	12.5	PT1/4

MSI

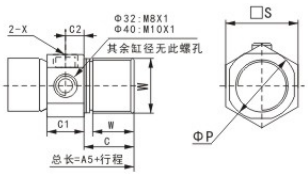
CA型



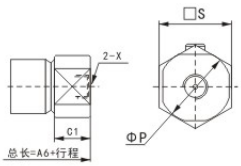
U型



CM型

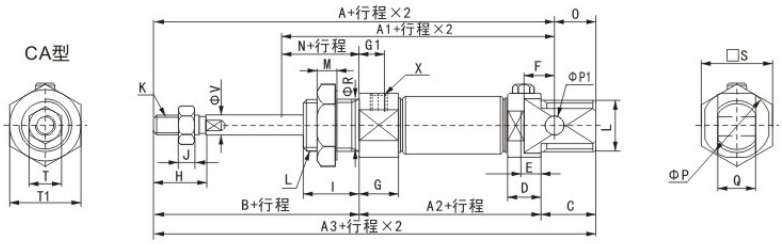


R型

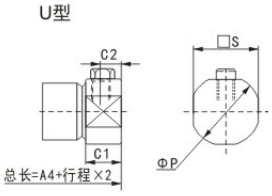


MTI

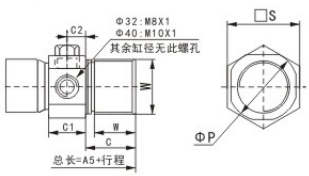
CA型



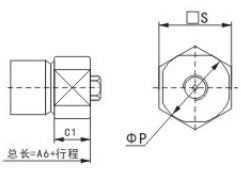
U型



CM型



R型



注：附磁型与不附磁型之尺寸相同。

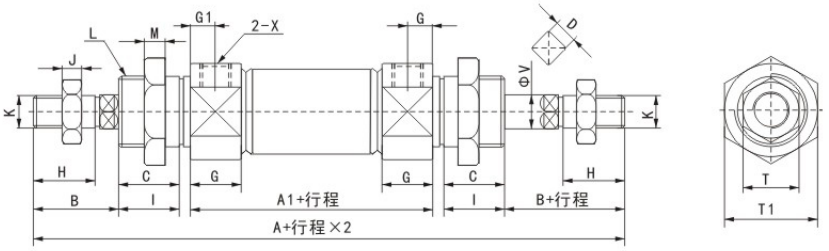
迷你气缸

缸径 \ 符号/行程	A			A1			A2			A3			A4		
	0~50	51~100	101~150	0~50	51~100	101~150	0~50	51~100	101~150	0~50	51~100	101~150	0~50	51~100	101~150
8	101	-	-	89	-	-	71	-	-	111	-	-	99	-	-
10	101	-	-	89	-	-	71	-	-	111	-	-	99	-	-
12	116	-	-	100	-	-	75	-	-	130	-	-	113	-	-
16	123	148	-	107	132	-	81	106	-	136	161	-	119	144	-
20	140	165	190	120	145	170	87	112	137	151	176	201	131	156	181
25	151	176	201	129	154	179	90	115	140	162	187	212	139.5	164.5	189.5
32	-	-	-	-	-	-	-	-	-	-	-	-	150	175	200
40	-	-	-	-	-	-	-	-	-	-	-	-	183	208	233

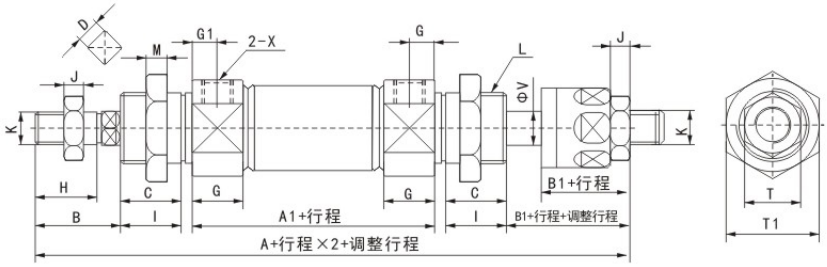
缸径 \ 符号/行程	A5			A6			B	C	C1	C2	D	E	F	G	G1	H	I	J
	0~50	51~100	101~150	0~50	51~100	101~150												
8	-	-	-	-	-	-	28	12	9.5	5	9.5	5	6	11.5	7	12	12	2.2
10	-	-	-	-	-	-	28	12	9.5	5	9.5	5	6	11.5	7	12	12	2.2
12	-	-	-	-	-	-	38	17	10.5	6	10.5	6	9	12.5	8	16	17	5
16	136	161	-	119	144	-	38	17	10.5	6	10.5	6	9	12.5	8	16	17	5
20	151	176	201	131	156	181	44	20	14.5	7.5	14.5	7.5	12	14.5	7.5	20	20	6
25	162	187	212	140	165	190	50	22	16	8	16	8	12	16	8	22	22	6
32	165	190	215	151	176	201	58	14	16.5	9	-	-	-	16.5	9	20	30	6
40	199	224	249	183	208	233	69	16	22	12	-	-	-	22	12	24	35	7

缸径/符号	K	L	M	N	O	P	P1	Q	R	S	T	T1	X	V	W	Y
8	M4×0.7	M12×1.25	6	16	10	17	4	8	12	15	7	17	M5×0.8	4	-	-
10	M4×0.7	M12×1.25	6	16	10	17	4	8	12	15	7	17	M5×0.8	4	-	-
12	M6×1.0	M16×1.5	6	22	14	20	6	12	16	18	10	22	M5×0.8	6	-	5
16	M6×1.0	M16×1.5	6	22	13	22	6	12	16	20	10	22	M5×0.8	6	13.5	5
20	M8×1.25	M22×1.5	7	24	11	29	8	16	22	25	12	29	PT1/8	8	16.5	6
25	M10×1.25	M22×1.5	7	28	11	33.5	8	16	22	30	17	29	PT1/8	10	18.5	8
32	M10×1.25	M30×1.5	7	38	-	37.5	-	-	30	34.5	17	36	PT1/8	12	10.5	10
40	M12×1.25	M38×1.5	8	45	-	46.5	-	-	38	42.5	17	46	PT1/4	16	12.5	14

MID



MIJ



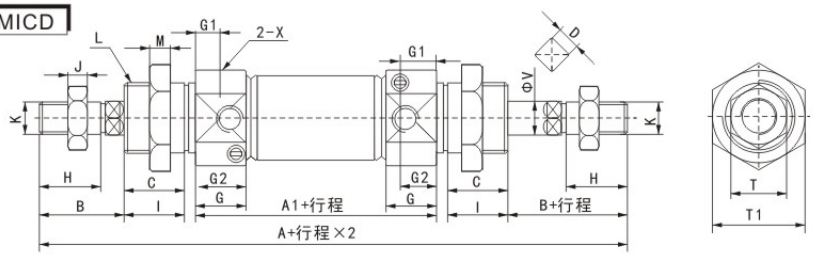
注：附磁型与不附磁型之尺寸相同。

缸径/符号	A	A1	A2	B	B1	C	D	G	G1	H	I	J	K	L	M	T	T1	V	X
8	104	48	102.7	16	14.7	9.5	-	11.5	7	10.5	12	2.2	M4×0.7	M12×1.25	6	7	17	4	M5×0.8
10	104	48	102.7	16	14.7	9.5	-	11.5	7	10.5	12	2.2	M4×0.7	M12×1.25	6	7	17	4	M5×0.8
12	128	52	128	21	21	14.5	5(二面)	12.5	8	14	17	5	M6×1.0	M16×1.5	6	10	22	6	M5×0.8
16	134	58	134	21	21	13.5	5(二面)	12.5	8	14.5	17	5	M6×1.0	M16×1.5	6	10	22	6	M5×0.8
20	150	62	151	24	25	16.5	6(二面)	14.5	7.5	18	20	6	M8×1.25	M22×1.5	7	12	29	8	PT1/8
25	165	65	164	28	27	18.5	8(四面)	16	8	20.5	22	6	M10×1.25	M22×1.5	7	17	29	10	PT1/8
32	184	68	183	28	27	26.5	10(四面)	16.5	9	17.5	30	6	M10×1.25	M30×1.5	7	17	36	12	PT1/8
40	227	89	221	34	28	31.5	14(四面)	22	12	21	35	7	M12×1.25	M38×1.5	8	17	46	16	PT1/4

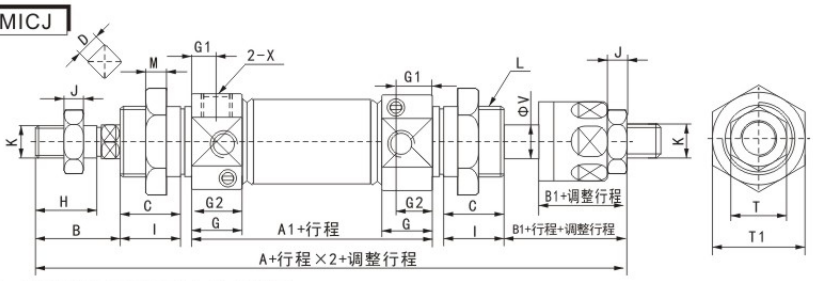
迷你气缸

C

MICD



MICJ

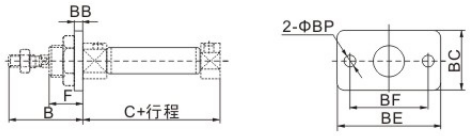


注：附磁型与不附磁型之尺寸相同。

缸径/符号	16	20	25	32	40
A	132.4	150	165	184	227
A1	56.4	62	65	68	89
A2	132.4	151	164	183	221
B	21	24	28	28	34
B1	21	25	27	27	28
C	13.5	16.5	18.5	26.5	31.5
D	5(二面)	6(二面)	8(四面)	10(四面)	14(四面)
G	12.5	14.5	16	16.5	22
G1	7.5	7.5	8	9	12
G2	9.5	10.5	12	11.8	12
H	14.5	18	20.5	17.5	21
I	17	20	22	30	35
J	5	6	6	6	7
K	M6×1	M8×1.25	M10×1.25	M10×1.25	M12×1.25
L	M16×1.5	M22×1.5	M22×1.5	M30×1.5	M38×1.5
M	6	7	7	7	8
T	10	12	17	17	17
T1	22	29	29	36	46
V	6	8	10	12	16
X	M5×0.8	PT1/8	PT1/8	PT1/8	PT1/4

FA

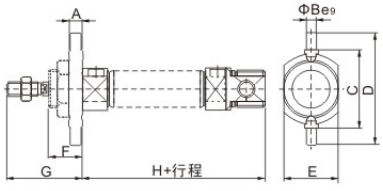
Φ8~Φ25



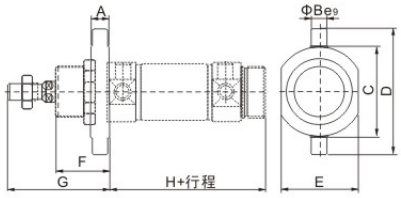
缸径/符号	8	10	12	16	20	25
B	28	28	38	38	44	50
C	46	46	50	56	62	65
BB	3	3	4	4	5	5
BC	22	22	30	30	40	40
BE	40	40	52	52	66	66
BF	30	30	40	40	50	50
BP	4.5	4.5	5.5	5.5	6.6	6.6
F	12	12	17	17	20	22

TC

Φ8~Φ25



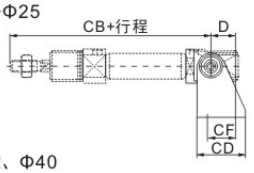
Φ32、Φ40

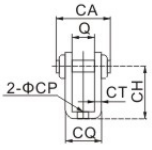


缸径/符号	8	10	12	16	20	25	32	40
A	6	6	8	8	8	8	11	12
B	4	4	6	6	6	6	9	10
C	26	26	38	38	46	46	54	64
D	38	38	58	58	66	66	74	84
E	20	20	25	25	32	32	45	55
F	12	12	17	17	20	22	30	35
G	28	28	38	38	44	50	58	69
H	58	58	67	73	82	87	82	101

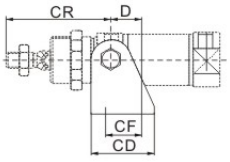
SDB

Φ8~Φ25

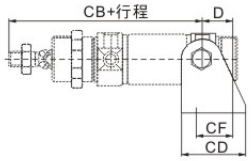


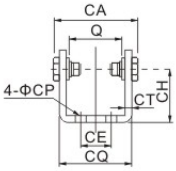


Φ32、Φ40



Φ32、Φ40

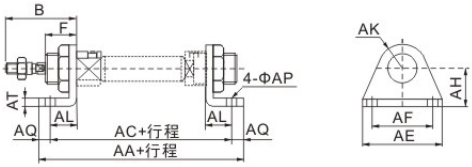




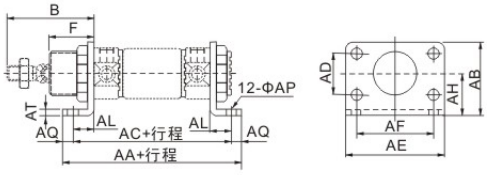
缸径/符号	8	10	12	16	20	25	32	40
D	11	11	13	13	16	16	20	27
Q	8.1	8.1	12.1	12.1	16.1	16.1	34.6	42.6
CA	18.4	18.4	28	28	38	38	55.6	69.6
CB	76	76	91	98	115	126	117	146
CD	20	20	25	25	32	32	41	52
CE	-	-	-	-	-	-	20	28
CF	12.5	12.5	15	15	20	20	24	30
CH	24	24	27	27	30	30	35	40
CP	4.5	4.5	5.5	5.5	6.6	6.6	7	9
CQ	13.1	13.1	18.1	18.1	24.1	24.1	46.6	58.6
CT	2.5	2.5	3	3	4	4	4	5
CR	-	-	-	-	-	-	67	81

LB

Φ8~Φ25



Φ32、Φ40



缸径/符号	8	10	12	16	20	25	32	40
B	28	28	38	38	44	50	58	69
F	12	12	17	17	20	22	30	35
AA	78	78	90	96	112	115	110	149
AB	-	-	-	-	-	-	49	58
AC	68	68	78	84	96	99	96	129
AD	-	-	-	-	-	-	28	30
AE	35	35	42	42	54	54	66	80
AF	25	25	32	32	40	40	52	60
AH	16	16	20	20	25	25	28	33
AK	10	10	13	13	20	20	-	-
AL	11	11	14	14	17	17	14	20
AP	4.5	4.5	5.5	5.5	6.6	6.6	7	9
AQ	5	5	6	6	8	8	7	10
AT	3	3	4	4	5	5	4	5